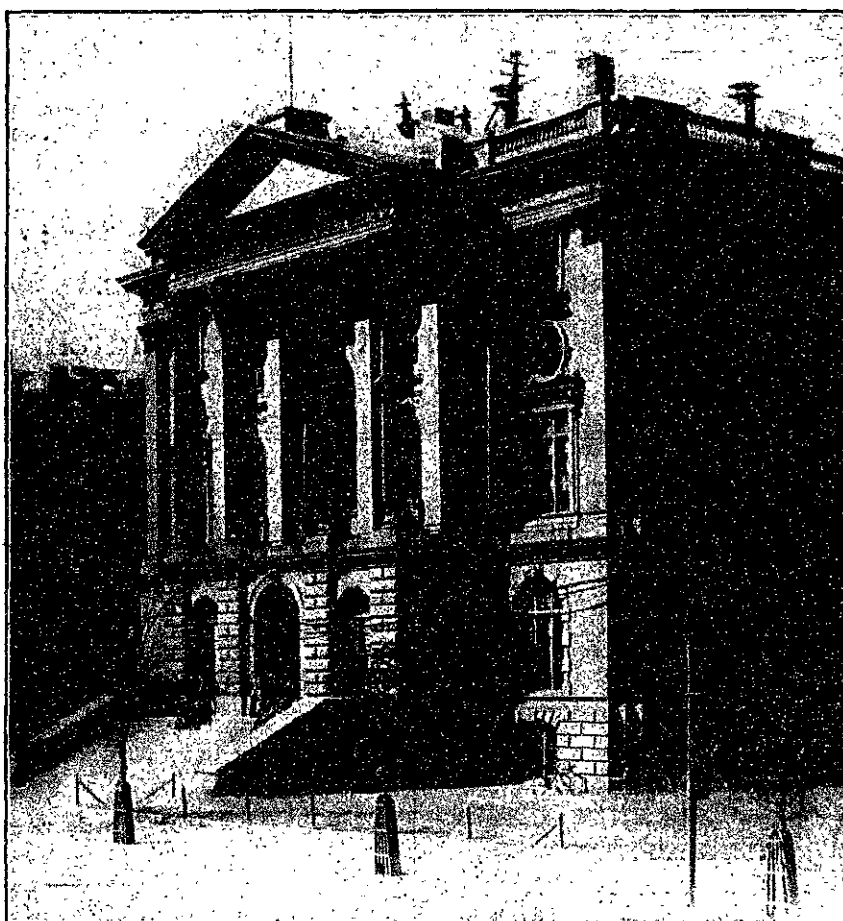


# THE TECH



VOLUME XX.

NO. 2.

OCTOBER 11, 1900.

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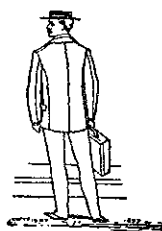
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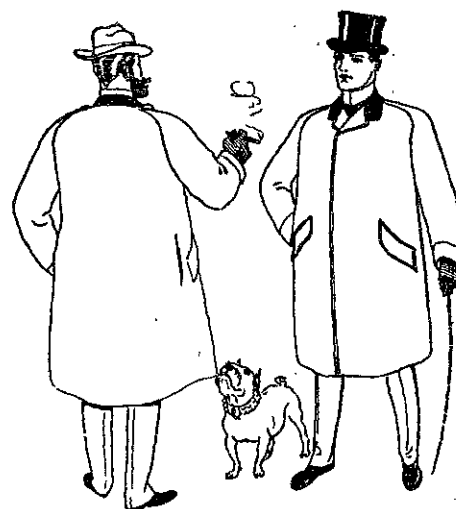
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# THE TECH

VOL. XX.

BOSTON, OCTOBER 11, 1900.

NO. 2.

## THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

HENRY HODGMAN SAYLOR, 1902. *Editor in Chief.*  
JOHN CLYDE FRUIT, 1902. *Assistant Editor in Chief.*  
WALTER H. FARMER, 1902. *Secretary.*  
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Editor in Chief, Monday, 10-11 A. M.  
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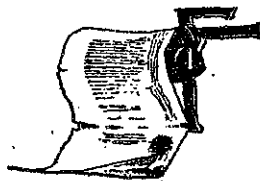
*For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.*

*Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.*

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FOR the coming inauguration of our new President the wish has been expressed both by him and by the committee in charge of arrangements to make the affair as successful and as representative as possible. According to the present arrangement the entire floor of Symphony Hall has been reserved for the undergraduate body and the instructing staff. The seating capacity of the hall being about twelve hundred, it is important that the undergraduates attend in full strength. It is really to be an auspicious occasion, and one which will show in strong relief the interest and regard in which the

Institute is held by her students, and the showing must be representative of the school. The Institute Committee is to act as a medium between the students and the committee in charge of arrangements. The inauguration is to be held on the twenty-fourth of this month, and THE TECH will give a full account of the proceedings.



WITH this week's issue of THE TECH a change in the editorial staff will be noticed. The editor-in-chief-ship has passed to Mr. Henry H. Saylor, and the assistant editor-in-chief-ship to Mr. J. Clyde Fruit. Mr. Adams and Mr. Sawyer's resignations are due to the extra pressure of work on *Technique*.



THE TECH regrets exceedingly that the Sophomores should have started again the practice of "rushing" the Freshmen in the corridors of the Institute buildings. Every member of the class knows that it is a thing distinctly disapproved of by the Faculty, and a thing which has brought much trouble upon classes which have tried it previously. It is a thing that can not be stopped by the officers and a few members of the class passing resolutions, because it is a fact, and THE TECH is sorry that it is so, that some of the officers of the class were as much interested in creating a disturbance as any of the rest. It must be stopped by each

individual member of the class pledging himself to cause no such disorder in the future. If "rushing" must be done, the lower classmen should at least be gentlemen and wait until the Cane Rush, which is provided for just that purpose. For the honor of the class, at least, the Sophomores should not create the impression that they are trying to find new fields for disorder, when they should be doing their best to efface the results of last year's trouble.

#### The Institute Exhibit at the Paris Exposition.

It was announced last winter that the Institute of Technology and Cornell University had been invited, as representative institutions of their kind in the United States, to send exhibits to the *Exposition Universelle*, now being held in Paris.

The French government surely does not regret the choice it made. The Institute exhibit is a remarkably good one, and reflects great credit on those who had the matter in charge, notwithstanding the fact that a considerable part of the material sent had to be laid aside, owing to the limited amount of space allotted.

One of the prominent features is shown by the Architectural Department, and comprises prize work of various kinds executed by students of that department, handsomely mounted in four large oak frames, with plate glass fronts. The Scientific Departments are represented by photographs of the buildings, laboratories, apparatus, and summer school parties, besides volumes containing problems assigned to students of the several classes. There are also metal and wood specimens which have undergone various tests in the Engineering laboratories. The Institute is to be congratulated on the excellence of this exhibit, and the honor of being chosen to show the high standard reached by the scientific institutions of this country.

#### Requirements for Voters.

Professor Ripley has been besieged by students this fall who wished to know whether they could vote in Boston or would have to return home in November to cast a ballot for their Presidential choice. He has asked THE TECH to publish a statement of the requirements. Mr. C. S. Ward, '72, a counsellor at law here in Boston, has kindly furnished the desired information.

1st. A man, to be able to vote, must be a native or naturalized citizen of the United States.

2d. He must be twenty-one years or more of age.

3d. He must have been assessed somewhere in the Commonwealth on May 1, 1900.

4th. He must register where he has been assessed, before the registering list closes.

5th. He must pay a poll tax of \$2.00 in that place in order to have his name on the voting list.

#### Architectural Society Catalogue.

The catalogue of the premiated drawings of the architectural department for 1900 has just been issued, and the book is certainly a credit to the Architectural Society, under whose management it is issued.

The cover design in color, by F. H. Bond, Jr., '01, is particularly good, but the printing did not show it up to the best advantage. The subject-matter of the book is practically the same as that of last year, comprising theses drawings, life class work, and pen and ink renderings. Several new features have been added to the last issue. Two drawings from the students in the engineering option appear, and the advertising pages are made more interesting by the insertion of the summer school measured drawings.

In size, the catalogue is somewhat larger than the issue of last year, and on the whole is a better piece of work.



### A Visit to Shoshone Falls.

The Snake River rises in Wyoming near the head waters of the Yellowstone, flows with a broad curve through southern Idaho and then after having formed the boundary between Idaho and its western neighbors, Oregon and Washington, for nearly two hundred miles it passes into Washington and at a distance of a little more than one hundred miles unites with the Columbia. The total distance traversed in its winding course is approximately nine hundred miles. Its head waters have an altitude above sea-level of about eight thousand feet, nearly two thousand feet higher than the highest point in New England. Through southern Idaho it flows through a broad valley, a hundred miles or more in width, whose entire expanse is covered with thick flows of lava. The altitude of the river above sea-level through this portion of its course varies from six thousand feet at the northeast to less than three thousand at the west while at its junction with the Columbia it is about eight hundred feet.

In the summer of 1892 a party in charge of the writer made a trip for the purposes of geological study across the continent going *via* Northern Pacific R. R. and returning *via* Canadian Pacific. During this trip the important places visited were the iron and copper regions of Michigan; the Yellowstone Park; the mines of Butte, Montana; Shoshone Falls; the Coeur d'Alene region; the Columbia River Falls; Mt. Hood with its glaciers; Puget Sound; the Great Glacier of the Selkirks and the Canadian Hot Springs at Banf.

At Butte, Montana, we had been entertained by Charles W. Goodale of '75 and Will Adams of '78. Without their assertions we should scarcely have recognized that Butte is a most desirable place in which to live. With its entire absence of vegetation, both outside and within the houses, completely bare, brown and dusty yards, there were no gardens, it seemed to us a city in a desert, a picture of desolation in spite of the teeming population, the busy mines and furnaces. It is to these last that the desolation is due. They pour so much sulphur from the ores into the atmosphere all the time that all plant life is killed.

The visit to the Shoshone Falls was a digression from our main route as we were to return to Butte before continuing our journey.

We left Butte for this extended and most interesting side trip at seven o'clock on the morning of June 27. Passing first along the side of the Silver Bow River and then crossing the low divide between this and the Beaver Head or Jefferson River, beside which we rode for some distance, we found the scenery rather uninteresting. Then we crossed the grand continental divide, the summit of the Rockies, so announced by a huge sign-board, and passed into Idaho.

The crossing of the Rocky Mountains at this point is as tame and uninteresting as it is at Sherman on the Union Pacific railway. As pupils in school, and still later at the Institute, in spite of the reiteration of our instructor that our conceptions were not true, we all received the impression that the summit crest of a mountain range must be sharp and ragged with steep slopes like those of an ordinary house, if not steeper. But when one has once crossed at Sherman, the grand back-bone of our continent, that early impression is forever obliterated and in crossing again on the way from Butte, the change of view is confirmed. Instead of a sharp ridge or crest with steep slopes we find a low undulating topography, almost a plain in its simplicity. The only thing to attest its elevation being its entire lack of trees and most vegetation.

We descended from the divide into the valley of the Snake River, which at first is narrow; we passed through a small canyon just above Beaver Canyon, but very soon it broadens out into a wide, extensive plain of lava, which often retains a fresh appearance as though it had poured out from the depths of the earth but a very short time ago. Occasionally small crater-cones were seen but in general it was one monotonous dead level, relieved only by the mountains in the far distance with the sentinel-like peaks of the Tetons towering above all and forming huge landmarks for all travellers.

At Pocatello we changed cars, having so far been travelling directly toward Ogden and Salt Lake City, to the Oregon Shore Line which, running directly from the main line of the Union Pacific railway to the Columbia River and Portland, follows the Snake River for more than four hundred miles through southern Idaho, occasionally crossing it or following closely along its banks, often bending away to a distance of twenty-five or thirty miles.

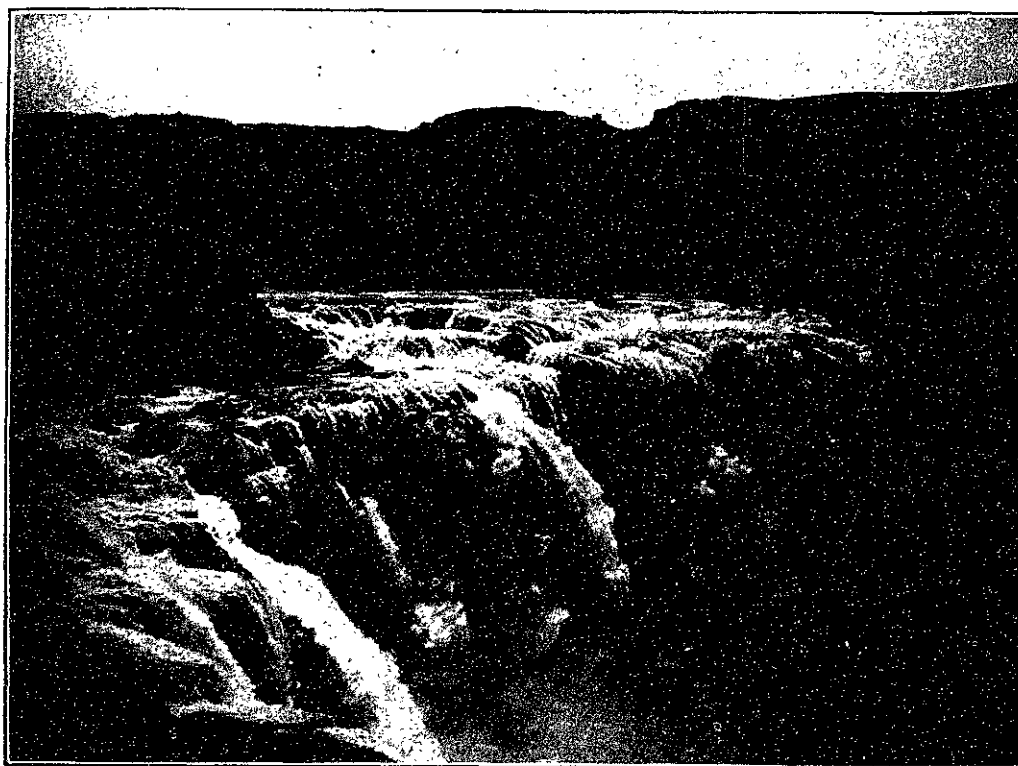
We left the train at quarter after seven o'clock in the evening at the little village of Shoshone, the nearest approach to the Falls which are some twenty-five miles away. The hotel at which we had to spend the night was a very primitive affair, in spite of which however, we obtained a very good supper. Not so much, however, can be said for the remainder of its entertainment. The rooms and bedding were in such condition that we preferred to remain outside on an upper verandah enjoying as long as possible the beautiful moonlight. When once within we considered that darkness was more conducive to comfort than would be the ability to see our surroundings so we dispensed with all light on retiring. Not a little to our astonishment we found ourselves still in our beds when we awoke next morning.

At 8.30 A. M. we began the twenty-five mile drive to the Falls our party being accommodated in one open and one covered wagon. As we drove away from the village the broad, level plain upon which

we, and even the village, were but specks stretched away in all directions with nothing to break the monotony. Far away to the south in front of us we caught the dim outline of mountains and turning to look back toward the north we saw the horizon then bounded by the same ragged outline. Between these distant ranges on the north and on the south lay this great plain, the broad valley of the Snake River, a quiet frozen sea, which once was molten lava. Some of this lava may be, as has been suggested, comparatively recent in its origin but most of it is probably more nearly a few hundred thousand years in age though in geological language still very recent. From ten thousand to fifteen thousand square miles

watch the wheels revolve. As hour after hour passed our glances at the landscape alone did not indicate to us that we had gained or lost in our journey. When we saw a short distance off at the right of the road a small shrub, three or four feet in height we greeted it as one greets an old friend when met in a foreign land. A stranger in a strange land it indeed seemed, the only shrub seen in the journey.

With nothing to indicate its presence till we literally stood upon its brink and were looking down into its depths we suddenly found a gigantic rift in the plain extending directly across our path. Within its depth we heard the roar of waters, but saw at first only a placid surface. Leaving our carriages we went



SHOSHONE FALLS.

of southern Idaho is buried by this lava to a depth sometimes of many hundred feet. As we passed on the monotony of the landscape became very tiresome. The surface of this lava is scarcely decomposed at all, often looking as fresh as though poured out but a few months ago, very little or no soil has been formed, or having been formed the winds have swept it away. The climate is dry and no vegetation exists except the scattering tufts of sage-grass with its dull brown colors, and cactus with its bright red, yellow and occasionally white flowers.

To appreciate that we had changed position and were really moving we had occasionally to look at the horses' legs as they moved forward in easy trot or to

to a more convenient point of observation and here saw the famous Great Shoshone Falls directly below us. Gazing, almost with awe, for a few minutes we soon retraced our steps to the carriages and began the descent into the canyon through a sharp niche which Nature had kindly provided as a means of access to one of her greatest wonders. The descent is very steep, toward up stream till nearly at the bottom the road makes a very sharp angular turn and reaches the level of the river only a few feet from the brink of the Falls. The hotel for the accommodation of visitors is on the opposite bank and we had to cross over in a ferry-boat, that is attached to a strong cable extending from bank to bank across the

river, and which is worked by hand. Driftwood had accumulated around the boat to such an amount that it required some time to clear it away, the drivers and myself assisting the ferryman in this work and also in working the boat across the stream. As the mercury registered the temperature at 136° when exposed to the sun this was no slight task. The ferry crosses the river just above the brink of the Falls, so near that a stone can easily be thrown from its deck over the brink into the depths below. With the remembrance of the power of the rapids for a long distance above the Falls of the Niagara in mind this seems at first glance a most dangerous proceeding but we found as we proceeded on the way that the current here is scarcely stronger than in a large mill pond just above the dam, in fact the surface of the water here is like that of a lake in its placidity. The cause of this is not at first apparent but a little investigation readily reveals it. A natural barrier runs entirely across the stream at this point and really forms a great dam over which the water pours between a series of projecting points on its upper edge which form islands in the stream. Once within the hotel, a change of clothing, a bath and a good dinner dispelled the weariness arising from the length and monotony of our ride but the intense heat prevented going out till late in the afternoon. The hotel is built just at the edge of the Falls and constantly subjected to the jar and vibrations produced by the rush and roar of their waters.

In order to appreciate Shoshone Falls a comparison with Niagara Falls is of great assistance. As one follows the Niagara from Buffalo down the river the surface of its waters is but slightly below the level of the surrounding country, then plunging over the Falls, they drop a height of about one hundred and sixty feet and flow on for a distance of seven miles through a gorge varying from six hundred to twelve hundred feet in width, though at the Falls the river has an extreme width of nearly four thousand eight hundred feet, and a depth varying from one hundred and eighty to two hundred and fifty feet. The Snake River as it approaches Shoshone Falls has already flowed through a canyon for more than fifty miles which has a depth of about one hundred and eighty feet and width three times that of the Niagara gorge. The river itself at the Falls has a width of nine hundred feet. Just above the main fall the river is divided by islands into six small streams and falls about thirty or forty feet. Immediately it re-unites and plunges in a single leap of two hundred and fifty feet to the canyon below which now has a depth of over four hundred feet and which continues for a very great distance. Forty-five miles below Shoshone Falls the Snake again drops twenty feet at Salmon Falls.

Toward night we walked down stream a short distance, ascending to the upper level, and obtained

a fine view of the Falls. The next morning we descended by means of steep paths, ladders and wire ropes to the level of the river below the Falls. The view here is very impressive and reminds one of Niagara from the Canadian side, huge volumes of spray and mist arising in great clouds and shutting out the view. Farther down stream a more complete view was obtained giving a comprehensive grasp of all the surroundings. Returning to the upper surface again we found the heat so great that the entire party except the writer confined themselves to the house for the remainder of the day. In spite of the heat a visit was made by the writer alone to the farthest point down stream from which the Falls could be seen from the plain above. Here standing on a point of lava projecting into the course of the canyon and at the level of the lava plain itself the grand view obtained well repaid the effort, for from this point is obtained the best conception of not only the river and the Falls, but of the relation of the canyon and the vast plains of lava through which it has been cut.

Far away to the eastward, upstream, the plain stretches as far as the eye can reach bounded only by the horizon. On the north and the south the distant mountains seem no nearer or farther away than they did at Shoshone village though we were twenty-five miles nearer the one and farther from the other. Through this vast plain the river could be seen flowing in its deep canyon to the Falls over which it fell with a roar rivalling that of Niagara and then passing on in the still deeper canyon beneath our feet till out of sight in the west where again only the sky bounded the plain. Differing entirely from Niagara or the Yellowstone in its surroundings Shoshone is perhaps from this point more impressive than either.

In a cooler part of the day the remainder of the party took a short walk but were content to get only those views that were close at hand. A few eagles that had nests around the Falls added a picturesque feature to the scenery but the rattlesnakes which were said to abound did not add to the charm of walking or scrambling. However, though often alarmed by excited nerves, and the rustle of a leaf or of dry grass we saw none around the Falls. On the plain above our drivers killed three during our stay.

Leaving Shoshone Falls early on the morning of June 30, we returned across the plain to Shoshone village, where we took the train at noon for Pocatello and there changing, took a sleeper for Butte, where after a most pleasant night's rest we arrived early the next morning in the midst of a severe rain. We simply stopped in Butte long enough for breakfast and then proceeded on our way westward. The Shoshone Falls incident was closed.

GEORGE H. BARTON.



Mr. N. H. Camp, '03, has gone to Yale this year.

The Cane Rush will probably be held on Thursday, Nov. 22, at the South End Grounds.

Six men are taking Fifth year work in the architectural course.

The annual election of officers by the Sophomore Class for the coming year will be held in Rogers corridor, on Friday, October 12th, from 8.30 A. M. to 4.30 P. M.

The leaders and managers of the musical clubs are selecting new men and rapidly filling the clubs to the required quota. Rehearsals of all the clubs begin this week and it is earnestly requested that all men be present at each rehearsal.

The Chauncy Hall Club held its first meeting on Tuesday, October 9th. The following officers for the year were elected: President, J. Ross Bates, '02; Vice-President, Doyle, '04; Secretary and Treasurer, R. S. Franklin, '02; Member of Executive Committee, H. H. Fletcher, '02. Meetings will be held during the year for social purposes.

The nominees for the various offices of the class of 1902 are as follows: For President, H. O. Bosworth and L. S. Cates; for First Vice-President, K. T. Stow and F. H. Hunter; for Second Vice-President, Paul Hansen and G. S. Taylor; for Secretary, C. W. Kellogg, Jr.; for Treasurer, C. R. Place; for Directors, C. H. Boardman, Jr.; F. Gannett, and R. B. Pendergast; for Institute Committee, J. C. Fruit, J. M. Baker, R. A. Pope and I. R. Adams.

### Freshmen Class Meeting.

Last Friday at 1 P. M. the Freshmen class was called to order for the first time by H. O. Bosworth, President of the class of '02, in order to elect a temporary Chairman and Secretary. A large body of the class of '03, evidently from force of habit, responded to the notice to the Freshmen, but the most of them were persuaded to remain outside. Enough got in however, to close nominations for chairman after one nomination, and to nominate two temporary secretaries to the freshmen's one before those nominations were closed.

At this point the Freshmen waked up, and, pulling together, they, aided by the chairman's closely ruling out other classmen and requiring each candidate to obtain credentials at the office, managed to open nominations for chairman and to add three nominations for that office.

The nominees who obtained the required credentials are: for Temporary Chairman, E. S. Doyle, M. S. Emerson, J. G. Metcalf; for Temporary Secretary, H. R. Draper.

The adjourned meeting was held Saturday morning directly after Military Science and no further disturbance was experienced. Those elected were: M. L. Emerson, Temporary Chairman; H. K. Draper, Temporary Secretary.

### 1903 Class Meeting.

At the first meeting of the class of 1903, but a small amount of business was done. Greene was elected temporary secretary. V. I. Nettleton was elected temporary captain of the Sophomore Football Team, in place of P. R. Parker, resigned. Mr. J. T. Cheney was elected manager of the football team, and a committee was appointed to attend to the nominations for class officers. Some money was also appropriated for football expenses.

### Captain Baird.

The course in Military Science at the Institute this year will be conducted by Capt. William Baird, U. S. A., retired, who succeeds Lieutenant Hamilton, U. S. A. Captain Baird was appointed to the Military Academy at West Point in 1870 and graduated in 1875. He was assigned to the 6th United States Cavalry at Fort Apache, Ari., with rank of second lieutenant. In 1881 he was made first lieutenant and in 1891 was promoted to the rank of captain. During this time he was attached to the 6th Cavalry and served in the West on different duties. His war service includes a long list of Indian battles from the movement of the Cherecahua tribe in 1875 to the Geronimo campaign in 1885. He was retired on account of disability in line of duty on December 3, 1897.

Captain Baird is busy getting the battalion in shape to begin work. The students have been divided into squads to facilitate drill at the beginning and later will be divided into companies. When asked as to his plans for the course in general, the Captain said he had nothing to announce, as the rules governing the instruction in military science in all colleges are fixed by the War Department.

He added, however, that existing circumstances modify the conditions somewhat and the crowded curriculum imposed upon the Institute now makes drill something of a bore. As the course seems fixed, however, it is hoped that the drills and practical work can be made interesting and not altogether monotonous, and that the lectures will cover points that may be useful to the average young man, even if he is never directly connected with the army or militia in any way in after life. The Freshman class has taken up the matter so far with fair interest.

UNCLE—Can your daughter play the piano?

PAPA—No, but she does.—*En.*

### Summer School in Architecture.

The Summer School in Architecture was held under Professor Homer during three weeks in June with the following enrollment: B. S. Clark, '00, H. F. Buys, '00, L. M. Lawrence, '00, W. G. Pigeon, '00, W. R. Kattelle '00, S. W. St. Clair, '01, F. Bond, Jr., '01, A. P. Merrill, '01, and E. F. Lawrence, '01. The object of the school was the study of colonial work previously undrawn. A day of preliminary work was spent in old King's Chapel, Boston, after which the school left for Providence, R. I., for a week's trip. Here the First Baptist Church, the Rufus Green Mansion, the Carrington House, and some half dozen different doorways were measured and sketched during the day and worked up into finished plates in the evening. For the two weeks following, the school made its headquarters at the Institute Pierce Building, working on the unfinished Providence work and making bicycle trips to such places as Wayland, Weston, Concord and Lexington. On these trips the men got much experience in architectural work and sketching. The last two days of the school were spent near Newburyport and Gloucester, where a fish dinner and a supper on board a yacht in the harbor were enjoyed. Could every man in Course IV. realize the benefit derived from this inexpensive summer school, both from a professional standpoint and on that of good-fellowship between professor and students, its success would be assured.

### Summer School in Mining.

Professor Richards took charge of the summer school of mining this year, and a very extensive and enjoyable trip was taken by all concerned. The party left this city early in June, and proceeded directly to Dover, N. J., in order to make an examination of the methods of mining, hoisting, treating, and finally shipping ore. While staying at Dover

an excursion was made to Edison, N. J., where the Edison magnetic plant for separating iron was examined thoroughly. From Dover the party proceeded to the great coal-mining region of Pennsylvania, stopping at Pottsville.

Bethlehem, Pa., was the next stop on the program, and this place was chosen so that the students might examine the processes of iron working in their entirety. Among the processes inspected were the complete manufacture of steel, the crude ore as it came from the mine being followed through many varied treatments until it came out in the shape of a modern gun, or a heavy eighteen-inch armor plate.

The students were thoroughly instructed in the different means of concentrating and melting iron and zinc ores, and also in the use of the washer as a concentrating agent. The Hokendaqua iron mines were the last that were studied, and the party came to Boston, after a three weeks' trip that had proved a complete success in every way.

#### Student Bible Classes.

The Seniors meet on Wednesdays; the Juniors on Thursdays; the Sophomores, Tuesdays, and the Freshmen on Friday. All classes meet in Room 12, Rogers Building, at 8.15 A. M.

Students wishing to join these classes should send an application at once to the M. I. T. Y. M. C. A. General Secretary, Wm. C. Pickersgill, from whom they may also secure copies of the text-books.

The office hours of the General Secretary are: Mondays, 8.30-10.30; Tuesdays, 12-1; Wednesdays, 8.30-10.30; Thursdays, 2-3; Fridays, 12-1; Saturdays, 8.30-9.30. Room 12, Rogers. Wm. C. Pickersgill, General Secretary. The subjects for study by the different classes present considerable variety, and the classes should be a thorough success.

#### Communications.

*The Editors do not hold themselves responsible for opinions expressed by Correspondents.*

TO ALL STUDENTS INTERESTED IN THE MUSICAL CLUBS:

The outlook for the clubs for the season of 1900-1901, is exceedingly good and present indications assure us of a very successful year. Any student who can give me information concerning societies or clubs desirous of securing the services of our musical clubs for concerts in their cities will confer a great favor upon the clubs and the manager by calling at the office in the Trophy Room. For the office hours of the manager see the bulletin board of the musical clubs in Roger's corridor. Respectfully,

H. N. HUDSON, *Manager*.

TO THE EDITORS OF THE TECH:

The Sophomore class through the death of one of its members, has suffered a sad loss to which I wish to call their attention through your columns, for I feel convinced that they cannot be aware of the circumstances of the case or they would have taken some action in the matter.

Carl Gibson, of Roxbury, died about two weeks ago from the results of a paralytic stroke which he received last June. The warning stroke came while Gibson was at the board during one of his recitations in the middle of last term; but, though he was placed under the doctor's care, the full meaning of the warning was not realized, and the fellow kept on with his Institute work. On the morning of his second examination last June, Gibson received the final stroke which rendered him entirely helpless, and from then on he never left his bed. His death occurred on September 29th.

Gibson was very popular with his class and he also held a high place on the secretary's books. In his death the Sophomores have sustained a great loss.

J. R. M., '02.

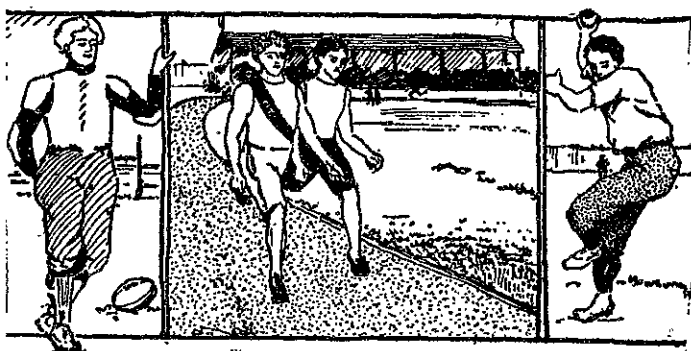
#### Calendar.

*Friday, October 12th.*—Regular M. I. T. Y. M. C. A. Student Meeting. Orchestra. Room 11, Rogers Building, 4.10 P. M. F. C. Gilbert, Yale '98, speaker. Meeting of Andover Club, Room 11, Rogers, at 1 P. M. Class of '03 annual election of class officers, Rogers corridor; from 8.30 A. M. to 4.30 P. M.

*Sunday, October 14th.*—Regular Student Meeting at Tech. Y. M. C. A. Student House, 566 Massachusetts Ave., 4 P. M.

*Monday, October 15th.*—Regular meeting of THE TECH Board, TECH office, at 1 P. M.

*Tuesday, October 16th.*—Regular meeting of the *Tech-nique*, 1902 Board, Trophy Room, Rogers, at 4 P. M.



The 1904 Football Committee consists of Messrs. Rodgers, Doyle, Metcalf, Comstock, Paine.

A number of new men are out training for the Fall Meet. From present outlook a large number of entries in each event is expected.

Leave subscriptions for the Varsity Football eleven for the Treasurer or Manager, Box 71, "Cage." Also leave names and addresses, so that receipts may be sent.

Technology has a good man in Dillon '04 for full back. He played a star game for Exeter last year in the back field. He is a strong line buckler and tackles hard and sure.

The annual business meeting of the Hare and Hounds Club was held Tuesday, October 9th. W. P. R. Pember, '02, was elected captain and F. H. Hunter was reelected manager.

Manager Hilken has added another game to the Foot Ball Schedule, *viz.*, Oct. 31st, Yale Law School at Boston. He has also arranged to have the use of Irvington Oval every afternoon after four o'clock.

#### Sophomore Nominations.

The nominations of officers for the coming year by the class of '03 are as follows: President, R. M. Field, F. W. Davis, L. H. Lee and L. H. Underwood; First Vice-President, L. H. Lee; Second Vice-President, H. T. Winchester and J. F. Doane; Secretary, J. T. Cheney; Treasurer, B. H. Miller; Directors, F. G. Babcock and G. M. Harris; Institute Committee, L. H. Underwood, C. J. McIntosh, and P. R. Parker.

#### Foot Ball.

EXETER 6 — M. I. T. 6.

Although Technology did not win last Saturday's game with Exeter, we have every reason to be satisfied with the tie score, as last season, after two games had been played and the team was supposed to be in good condition, practically the same Exeter team defeated Tech, 24 to 0.

The game was interesting throughout, the result being in doubt until the very end, as Exeter made her only touchdown in the last three seconds of play. Both teams are coached by Dartmouth graduates and their style of play similar. They played aggressive, straight football, but at times their work was decidedly loose—Exeter's fumbles at critical times giving Tech. her touchdown.

Maxson did the kicking for Technology, and on each exchange of punts managed to gain from 20 to 30 yards for his team, Chubb and Crocker filling the end positions finely and always coming down the field well on punts. Laws and Hilson also played their positions well, Tech's weakness being at both tackles. In the second half, T. M. Hamilton sprained his knee and Hunter was substituted. Unfortunately, the former's injury may keep him out of the game for several weeks. Maxson made the longest runs of the game, one of fifty yards, through the Exeter team, almost resulting in another touchdown for Tech.

The first score was made by the M. I. T. after sixteen minutes of play. Sawyer, Exeter's full back fumbled a punt, Law falling on the ball, and on the next play Bary made a sixteen-yard run around Exeter's left end for a touchdown. Maxson kicked a beautiful goal.

Exeter scored by continuous heavy line plunging through Tech's tackles. Knibbs, Preston and Capt. Hogan put up the best



game for their team, the former two making most of Exeter's gains.

#### EXETER.

Laskey, Connor, Rockwell, l. e.

Rodgers, Brill, Higgins, l. t.

Carr, Sherman, l. g.

Hooper, c.

Peters, Cooney, r. g. T. M. Hamilton, Hauber, l. g.

Hogan, r. t.

Higgins, Moore, Smith, r. e.

Rockwell, Connor, q. b.

Preston, Tennant, h. b.

Krubbs, h. b.

Sawyer, Reid, f. b.

#### TECHNOLOGY.

Chubb, r. e.

Godfrey, r. t.

R. S. Hamilton, r. g.

Laws, c.

Heckman, l. t.

Crocker, l. e.

Maxson, q. b.

Hood, h. b.

Bary, h. b.

Wilson, f. b.

Score — Exeter 6, Technology 6. Touchdowns, Preston, Bary. Goals from touchdowns, Preston, Maxson. Umpire, Nolte. Referee Ross. Time-keepers, Connor and Hilken. Time 20 and 15 minute halves.

#### Hare and Hounds Club.

The Hare and Hounds Club held its first run last Saturday from Newton Center. Fifteen men chased the paper trail over a course of about five miles, under conditions favorable for making fast time. Pember, '02, and Pulsifer, '03, who were the hares, laid an excellent trail leading in a circuit through Thompsonville, around Hammond's Pond, and through Chestnut Hill back to Newton Center. F. R. Farnham, '03, the Newton Center scout, accompanied the run on his wheel, as did Rollins, '04.

Near the finish of the run, Joseph, '03, who was leading, had an argument with some barbed wire, the fence having the best of it. In spite of bad scratches on his hands and legs, Joseph got up and made a plucky finish.

The hounds were well bunched at the finish, all coming in inside of the two-minute limit. Hunter, '02, led Baker, '04, by inches, with Drew, '04, and Joseph, '03, close at their heels.

The new men out all did well, Baker, '04, and Worcester, '04, leading the bunch most of the way.

The run next Saturday will be from Wellesley Hills. Leave Trinity Place Station

at 2.15. The prospects are good for a large attendance, as Wellesley Hills runs are always popular.

#### Tennis Tournament.

The annual Fall Tournament is now being played on the Association's courts. The entries, of which the number is rather less than usual, are as follows:—

Singles: First round; W. Whipple *vs.* L. Du Pont; E. G. Thatcher *vs.* S. W. St. Clair; R. Jones *vs.* R. Pope; J. T. Cheney *vs.* N. L. Danforth; A. G. Drew *vs.* G. Barnaby; Hawkins *vs.* Beckwith; Leavitt *vs.* E. H. Cutter; F. Bradley *vs.* McDaniel; E. F. Lawrence *vs.* Hepburn; D. M. Belcher *vs.* J. R. Brownell.

The first round must be finished before Saturday, October 13th, or matches will be defaulted. Engage courts in advance by posting names on the tabular views.

In the Doubles the entries are:—Henderson and Bouscarem *vs.* Beckwith and Mixter; Cutter and Belcher *vs.* Shivers and Whittemore; E. F. Lawrence and St. Clair *vs.* N. L. Danforth and Partner; P. Jones and Crocker *vs.* Du Pont and Cheney.

#### Cheap at Half the Price.

They came—a genuine country couple—into the office of the Justice of the Peace, and asked that the nuptial knot be tied. At the conclusion of the brief ceremony, the happy groom, a specimen of the genus "skinflint" asked,

"Well, how much does the job cost?"

"The law allows me fifty cents," was the answer.

He fished a grimy looking quarter from his trousers pocket. "Well, here's a quarter, the law allows yer fifty—that makes seventy-five, and a purty good amount; I take it, for five minutes work." With that he calmly tucked his bride's hand under his arm and departed.





'71. Henry M. Howe, III., formerly Professor of Metallurgy at Columbia University is now a member of jury at the Paris Exposition, and President d'Honneur of the International Congresses of Mining and Metallurgy, and of Methods of Testing Materials of Construction, both at Paris.

'78. Wm. W. Adams has returned to San Francisco after nearly two years work in Mexico. Mr. Adams has recently married and his address is Van Ness Ave., San Francisco, Cal. He would be glad to hear from any of his classmates.

'84. A. L. Fitch is in the Construction Department of Swift & Co., Union Stock Yards, Chicago.

'84. D. W. Park has left the Boston & Montana Mining Co. and is with the Merced Mining Co. at Coulterville, Mariposa County, Cal.

'89. Henry M. Hobart, VI., has recently published an extensive work on "Electric Generators" in conjunction with H. F. Parrshall. Both men have in the past been connected with the Institute as lecturers.

'90. E. D. Walker has been appointed Assistant Professor of Civil Engineering at the Pennsylvania State College, State College, Pa.

'90. Geo. D. Chapman, died May 31st at Woodbridge, N. J. For the previous year he had been with the New York Ship Building Co. of Camden, N. J.

'90. Mr. P. W. Dunbar was married to Miss Edith Vaughan Flanders, Aug. 8th.

'91. Harry W. Jordan is to resume his work with the Solvay Process Co. at Syracuse, N. Y., after having been with the Bow-

ker Fertilizer Co., of Elizabeth, N. J. for nearly a year.

'92. Cards are out for the wedding on Thursday, Oct. 18, at Orange, N. J., of James Pinkney Buckley and Miss Liliane Rhoda Bogart.

'92. Mr. and Mrs. Frederick L. Francis have just returned from a four months' European tour. Mr. Francis is a graduate of Course IV., and is at present practising in Fitchburg, Mass.

'93. H. A. Richmond has been elected Vice-President of the Universal Machine Co., of Providence, R. I.

'93. On Sept. 6th, 1900, Percy H. Thomas, Course II., and Miss Isabelle M. Patten were married at the First Baptist Church of Newton Centre. They will reside in Pittsburg, Pa.

'93. A. F. Bemis, who was married last spring enjoyed a pleasant trip in Europe with Mrs. Bemis during the summer.

'95. Clifford B. Sanborne, Course IX., opened a law office last winter in the Niles Building, Boston.

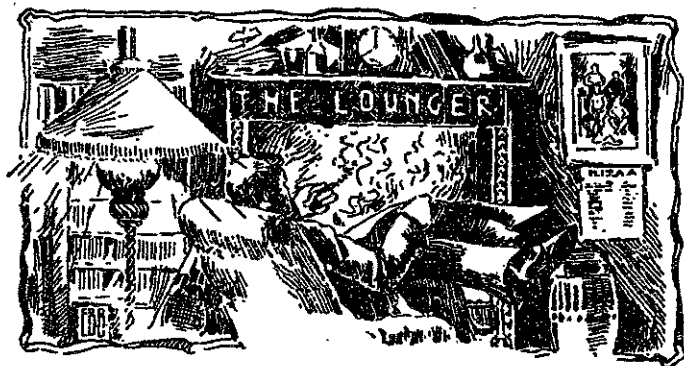
'98. Mr. L. H. Byam has been appointed Assistant Engineer of the Pennsylvania division of the New York Central Railroad.

'98. F. L. Twombly is connected with the United Mills and Export Company of New York and is conducting an extensive flour trade in Porto Rico.

'99. Mr. Wm. Malcolm Corse has accepted an offer to go with the Detroit White Lead Works of Detroit, Mich., as chemist. He expects to be permanently located in Detroit after Nov. 1st.

'99. Edward P. Walters, Course V., has been appointed assistant biologist for the Metropolitan Water Board, New York.

'99. Warren M. Archibald, Course I., has resigned as rodman for the Metropolitan Water Board to accept a position with the New York Central R. R.



THE LOUNGER has been interested to note that a popular professor of Physics has entered upon a change of tactics this year. Formerly it was his custom to eject obstreperous and otherwise annoying infidels from the precincts of scientific knowledge — otherwise known as 22 Walker. This year he has reversed the process and is keeping the offenders fastened in the room so tightly that not only they, but none of the other animate objects can escape — not even the air. This was the means resorted to on the occasion of the first disturbance in Sophomore Physics; how effective it was only those who experienced it can say. Sighs, groans, wails, — all were of no effect; still the professor went on, mopping every other minute his damp, perspiring brow. At last the agony became too intense for even a physicist to stand, and after having vaguely heard him announce that he thought he had given the class about as much as they could endure for the first day, the class made a break for the door. The result was awful to contemplate. At this inopportune moment some one made the announcement that the freshmen were about to hold a class meeting. The effect was instantaneous; a stream of three hundred men poured from one building to another, up stairs, struck against the rotund form of Janitor John and recoiled. Then occurred a séance which THE LOUNGER was unfortunately compelled to attend: held in Huntington Hall, under the auspices of the venerable president of the Junior Class. The rapping was all done by that gentlemen, and though the effort completely ruined a handsome new text-book, nevertheless THE LOUNGER was unable, and he was seated near the front, to perceive even the slightest vibration on the drum of his ear. He saw the book rise, swiftly descend, strike the table and rebound. He saw the table vibrate, and the aforementioned medium grow pale from the force of the blow, but never a sound reached him from that book. THE LOUNGER says this because he does not want it thought that he did not hear any sounds; the trouble was he heard too many. The howls of the baffled Sophs, as a certain gentlemen from the Secretary's office meandered round, and, tapping some of them on the shoulder, gently requested that they cease to permeate the

assembly with their condescending presence; the cries of joy from the same quarter when their accomplices, nominated for office in the Freshman Class, came trotting back from the Secretary with certificates of membership in the class of '04. THE LOUNGER imagines that many of these certificates were genuine enough, but he contends that they did not make the possessor a Freshman. THE LOUNGER can hear the yells of "Order," when a well-known, fully initialled football manager started to converse with the medium in a stage whisper. THE LOUNGER can appreciate the thankful look on the physiognomy of the gentle president when the sitting was over. THE LOUNGER could also go deeper and say he could sympathize with and express fully the thoughts of the same gallant defender of the door, but the weather is warm enough already.

\* \* \* \*

THE LOUNGER wishes to make the most humble apology without delay for a grave error in judgment. He has always been thoroughly imbued with the idea that Technology's great and only organ, THE TECH, was not appreciated. He was beginning to think, in spite of all inside evidence to the contrary, that many of his erstwhile readers looked upon the organ as more closely resembling a hurdy-gurdy. But no! All these nightmares have been dispelled by the encouragement of one of THE LOUNGER's protégés, who, as he walked up to invest in No. 1, asked in a timid voice, "Are they fifty cents apiece?"

\* \* \* \*

When THE LOUNGER penned his honest and most appropriate thoughts last week regarding the abundance of new editions which make their appearance two or three times in a while he thought with much complacency that he was done with the subject. Of course not the subject treated of in the aforementioned editions.) But now, as the last waxed-paper tube on the camel's back, appears an entirely new work called something like "An Elementary Primer for Cold" (cash). For those who swing the architectural pencil, the same is published in a neat vest pocket edition, occupying some three hundred sixty cubic inches, to be purchased at a cost resembling its size.

THE LOUNGER sincerely hopes that he may not be called upon to speak of this again. In the event of much more such agitation he may feel it his duty to change the text book system, or perhaps even to do away with it entirely.

Jack (out of breath): I just saw a crowd of men tearing up th—the street.

Dan (excited): Why, what's the matter?

Jack: They were putting in a — a sewer.  
— *Wrinkle.*



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Week Commencing October 15, 1900.

**Hollis Street Theatre.**—This is the last week Mr. Sothern will present his admirable production of "Hamlet." It has been a notable success in every way. Next week Daniel Frohman's Company will present "The Ambassador."

**Boston Theatre.**—The fourth week of "Monte Christo" has proved the play to be as great a favorite as ever and the last fortnight will give as large and enthusiastic houses as before. The great spectacular play has been enthusiastically received.

**Columbia Theatre.**—"The Cadet Girl" at the Columbia has found a well merited enthusiastic reception. The cast includes Dan Daly and half a dozen other favorites who have starred companies of their own. The whole production leaves nothing to be desired.

**Boston Museum.**—The double bill "Naughty Anthony" and "Mme. Butterfly" will be presented for the remainder of this week. Next week "The Sign of The Cross" will be given. This play has had a great run and has been cordially received.

**Kieth's Theatre.**—This week George Clarke, who succeeded John Drew as the leading man of Augustine Daly's famous stock company, made his debut in vaudeville. Others appearing are Flo Irwin, Al. Shean and C. T. Warren, Little Elsie and many other favorites.

**Tremont Theatre.**—Grace George appeared in the title role of "Her Majesty" last Monday night, presenting a charming impersonation of the girl Queen of Holland. It is a splendid production. Next week Mrs. Fiske is to appear in "Becky Sharpe." This is a play no theatre-goer should miss.

**Castle Square Theatre.**—The revival of "Just a Day Dream" at this popular playhouse has proved a most enjoyable event. Next Monday the romantic drama, "The Marble Heart" will be produced.

**Park Theatre.**—"The Choir Invisible" will continue with Mr. Harry Jewett in the leading character. It is the dramatization of Allen's fine story and is a well staged, well acted, and altogether well produced play.

**Music Hall and Musee.**—The program this week includes Raymond Moore, George Thatcher, John W. Ransome, and Ralph Bingham. The performance is really a remarkable one and one not to be missed.

**20th Century Exposition.**—The great feature of the Exposition this week is John P. Sousa and his band. He will receive an unprecedented ovation in Boston. The whole exposition has met with great success.

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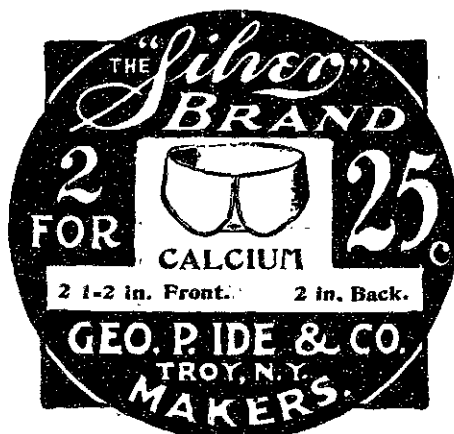
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12-1 Saturday, Editor-in-Chief.

12-1 Monday, Business Manager.

'03

'04

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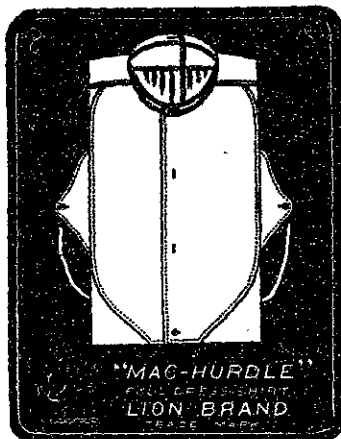
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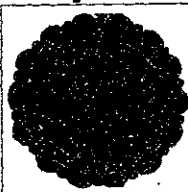
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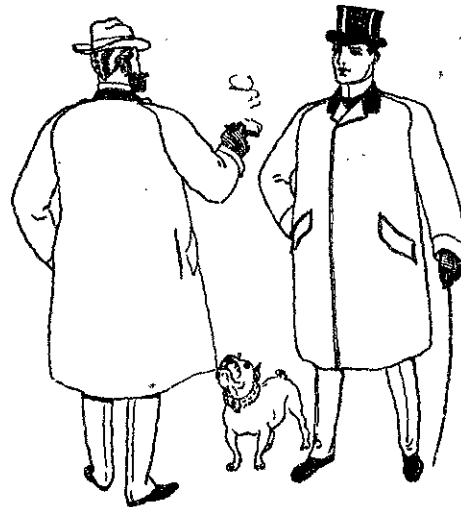
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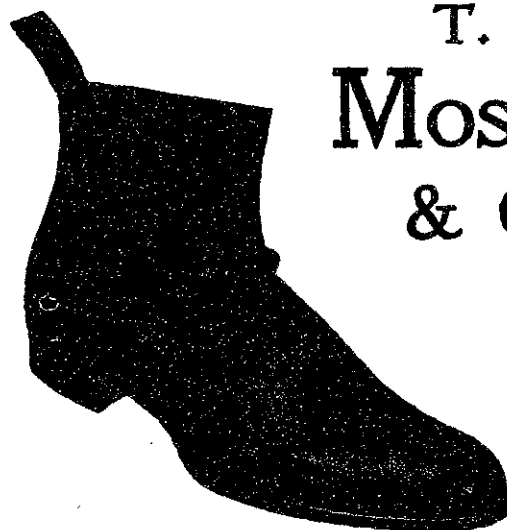
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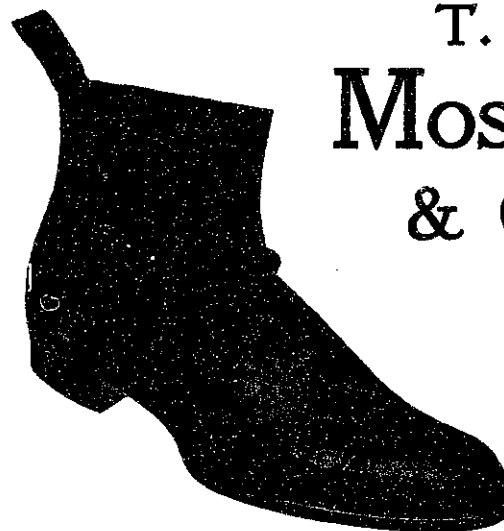
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